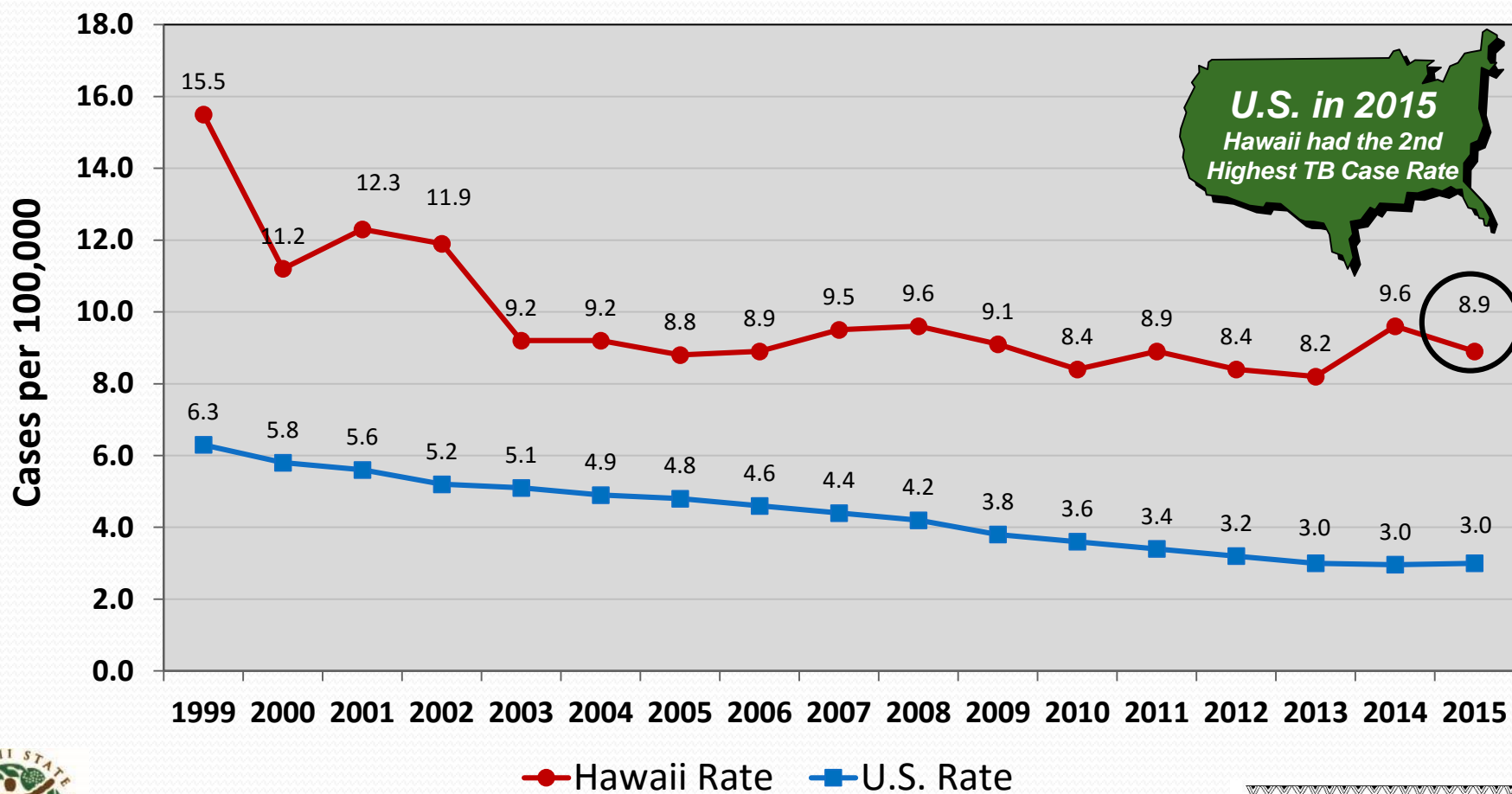


TB Case Rates

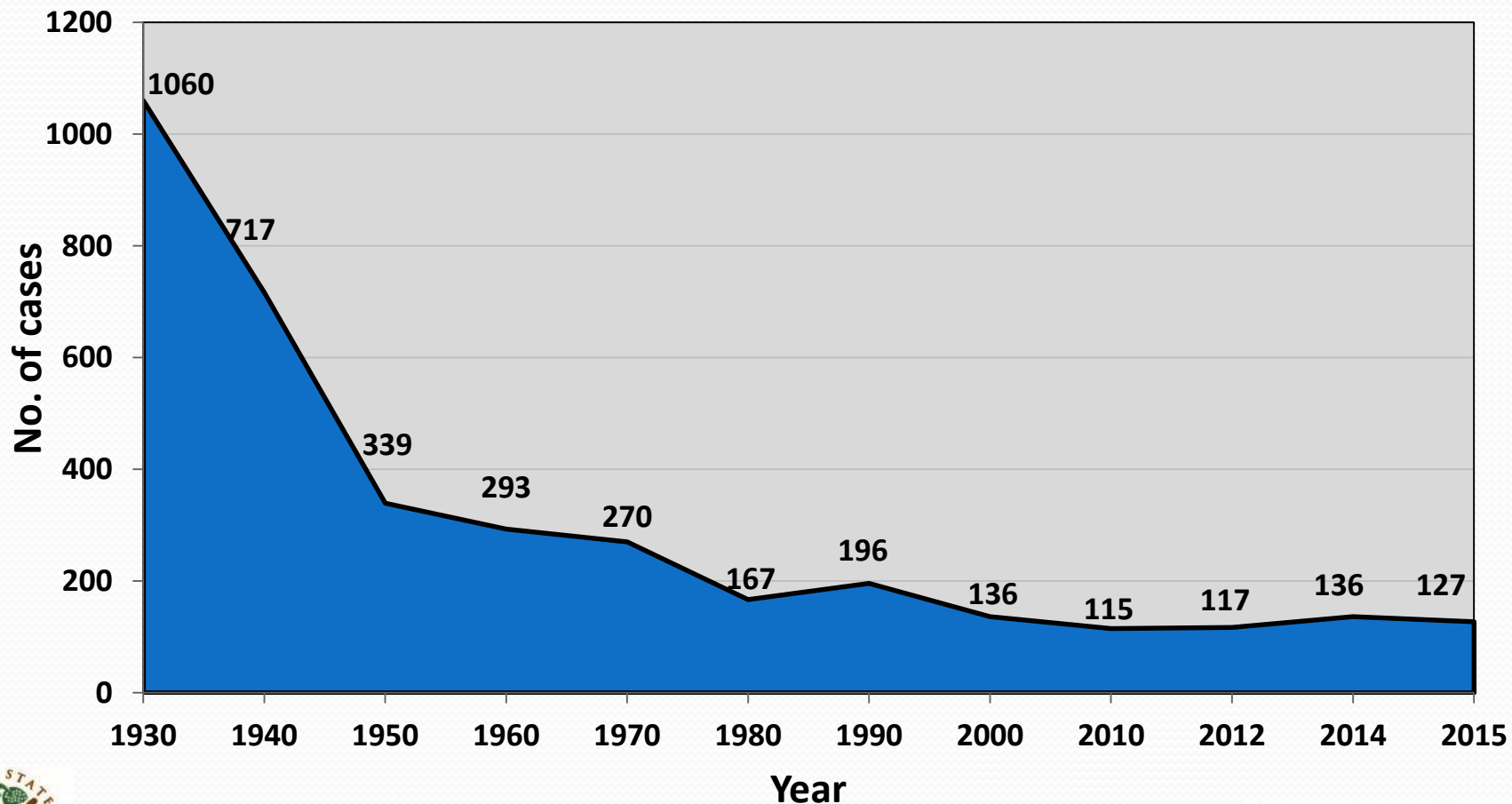
Hawaii vs. United States, 1999–2015



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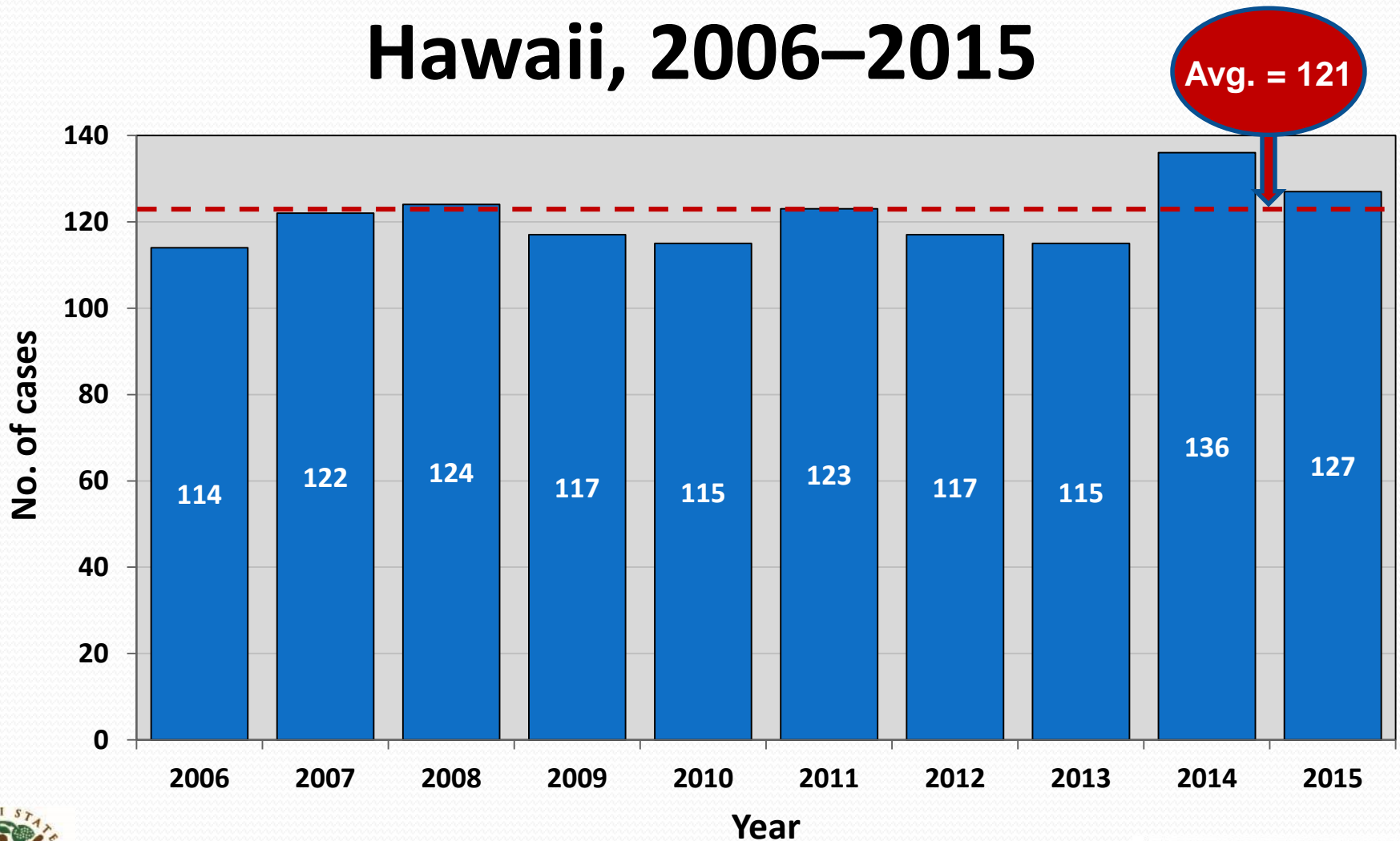
Reported TB Cases Hawaii, 1930–2015



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Reported TB Cases Hawaii, 2006–2015



Updated as of December 1, 2016



TB Cases and Case Rates by County

Hawaii, 2014–2015

County	No. of Cases		Case Rates (per 100,000 population)		Population Estimates July 1, 2015	
	2014	2015	2014	2015	2014	2015
Hawaii	8	11	4.1	5.6	194,190	196,428
Honolulu	112	98	11.3	9.8	991,788	998,714
Kauai	2	1	2.8	1.4	70,475	71,735
Maui	14	17	8.6	10.3	163,019	164,637
TOTAL	136	127	9.6	8.9	1,419,561	1,431,603

Note: Population estimates used to compute case rates were obtained from U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, American Community Survey, Census of Population and Housing, State and County Housing Unit Estimates, County Business Patterns, Nonemployer Statistics, Economic Census, Survey of Business Owners, Building Permits, Consolidated Federal Funds Report (<http://quickfacts.census.gov/qfd/states/15000.html>) (accessed June 20, 2016).



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**Tuberculosis Cases and Case Rates per 100,000 Population
Hawaii by County and Zip Code of Residence at Time of Diagnosis, 2015**

County and Zip Code	Cases	Case Rates	2014 Population Estimate [†]
HAWAII			
96720 - Hilo	3	6.4	47,115
96740 - Kailua Village	3	8.5	35,334
96750 - Kealahou*	1	28.4	3,516
96778 - Pahoa	1	6.9	14,565
96783 - Pepee*	1	45.6	2,191
96785 - Volcano*	2	74.9	2,674
HONOLULU			
96701- Aiea*	5	13.0	38,526
96706 - Ewa Beach*	12	18.1	66,440
96707- Kapolei	1	2.3	42,793
96734 - Kailua	1	1.9	53,555
96762 - La'ie*	2	35.2	5,675
96782 - Pearl City	3	7.4	40,632
96786- Wahiawa*	5	11.0	45,280
96792 - Waianae	4	8.4	47,774
96797 - Waipahu*	12	15.9	75,350
96813 - Nuuanu/Punchbowl*	5	22.7	22,041
96814 - Ala Moana*	2	10.6	18,846
96815 - Waikiki*	3	10.2	29,480
96816 - Waialae/Kahala*	7	13.8	50,656
96817- Kalihi/Kapalama*	12	21.6	55,601
96818 - Salt Lake/ Pearl Harbor	3	5.4	55,380
96819 - Kalihi/Moanalua*	15	28.0	53,482
96821 - Aiea Haina*	2	10.3	19,415
96822 - Makiki/ Manoa	3	6.5	46,195
96826 - McCully/Moiliili	1	3.2	31,346
Kauai			
96756 - Koloa*	1	17.6	5,693
Maui			
96732 - Kahului*	5	19.4	25,770
96748 - Kaunakakai*	1	24.5	4,086
96753 - Kihei*	4	14.0	28,485
96761 - Lahaina*	1	4.6	21,825
96768 - Makawao	1	5.7	17,647
96790 - Kula*	1	11.4	8,750
96793 - Wailuku*	4	12.6	31,627

*Case rate in zip code was greater than the 2015 state case rate (8.9) and there was more than one case reported

[†]2010-2014 American Community Survey 5-year estimates used to compute case rates was obtained from US Census Bureau, Population Division, Community Facts, American FactFinder.

<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>

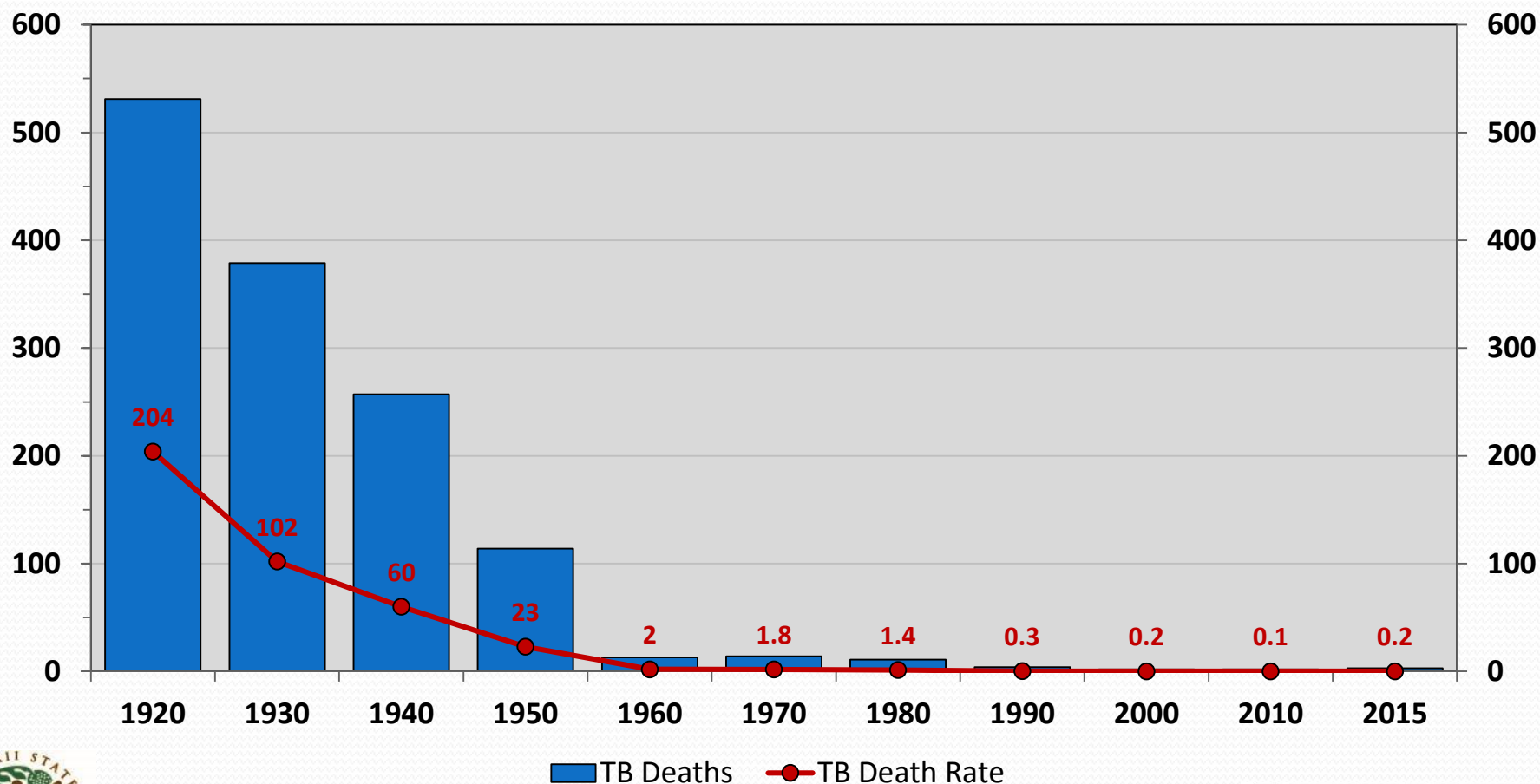


TB Deaths and Death Rates

Hawaii, 1920–2015

No. of TB Deaths

Death Rate per 100,000



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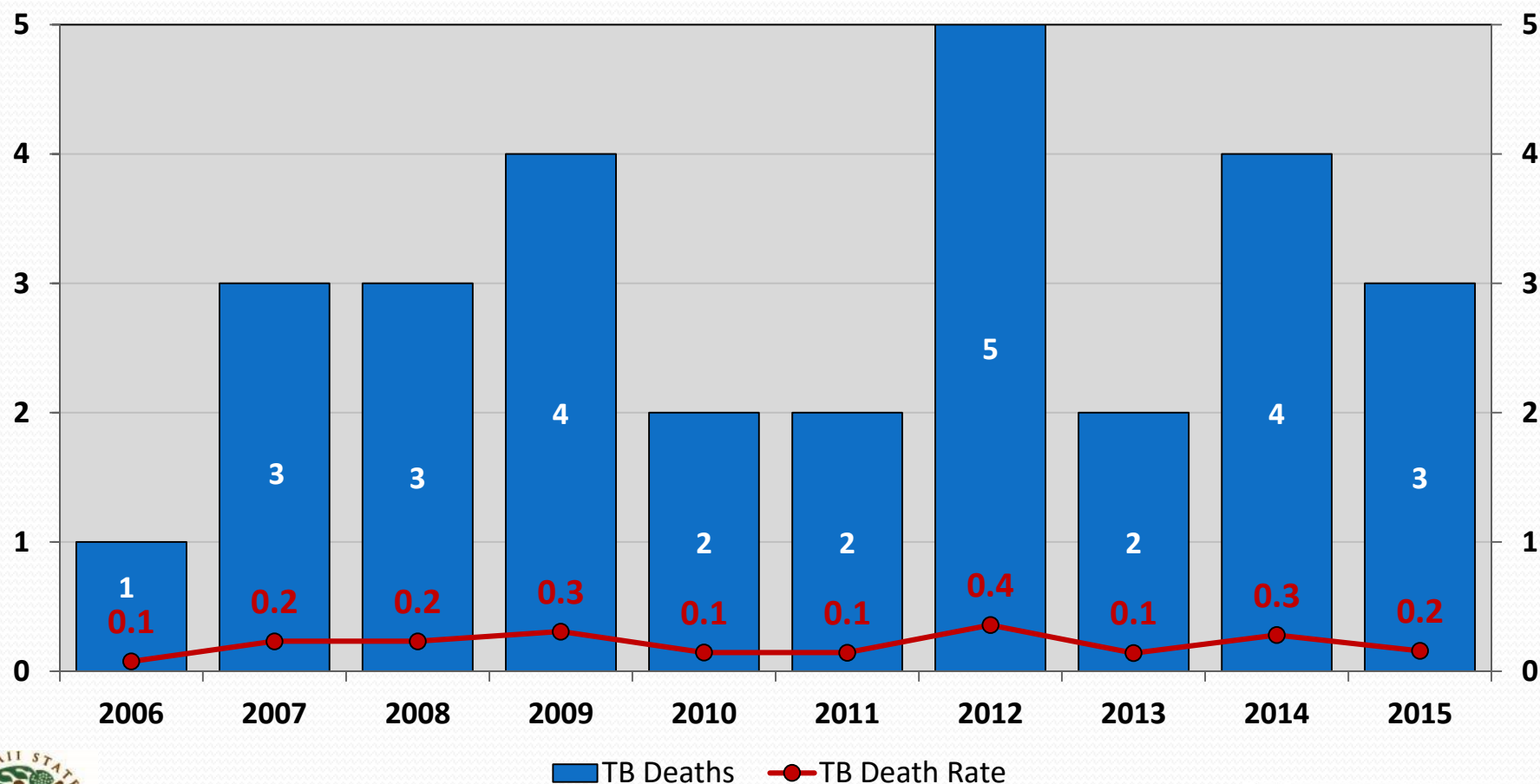


TB Deaths and Death Rates

Hawaii, 2006–2015

No. of TB Deaths

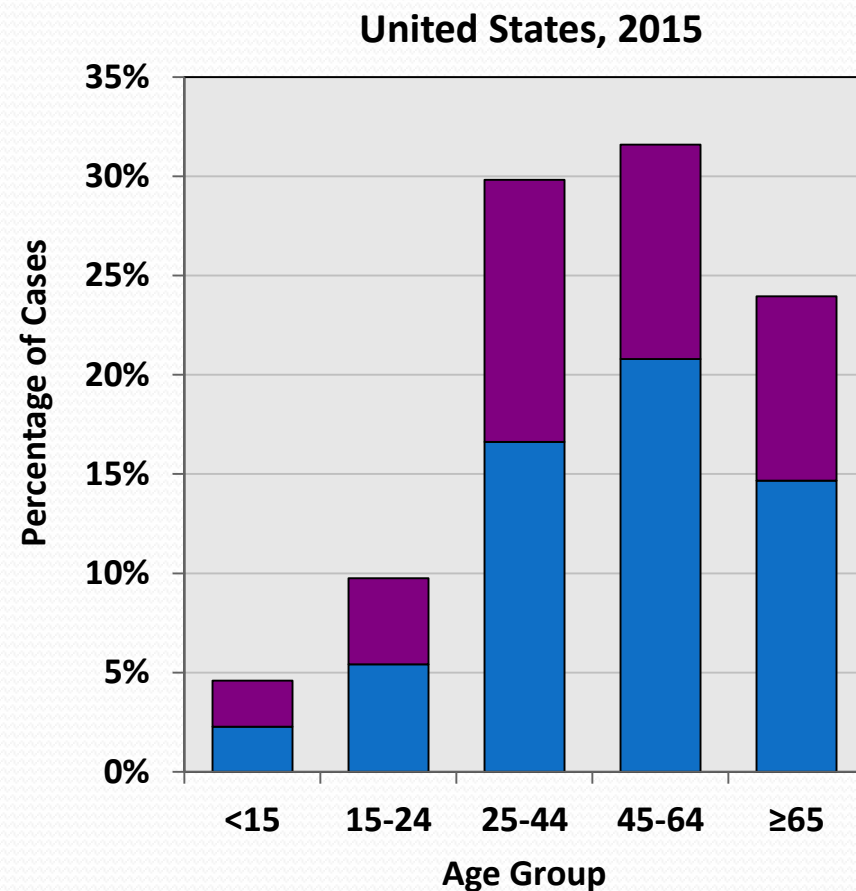
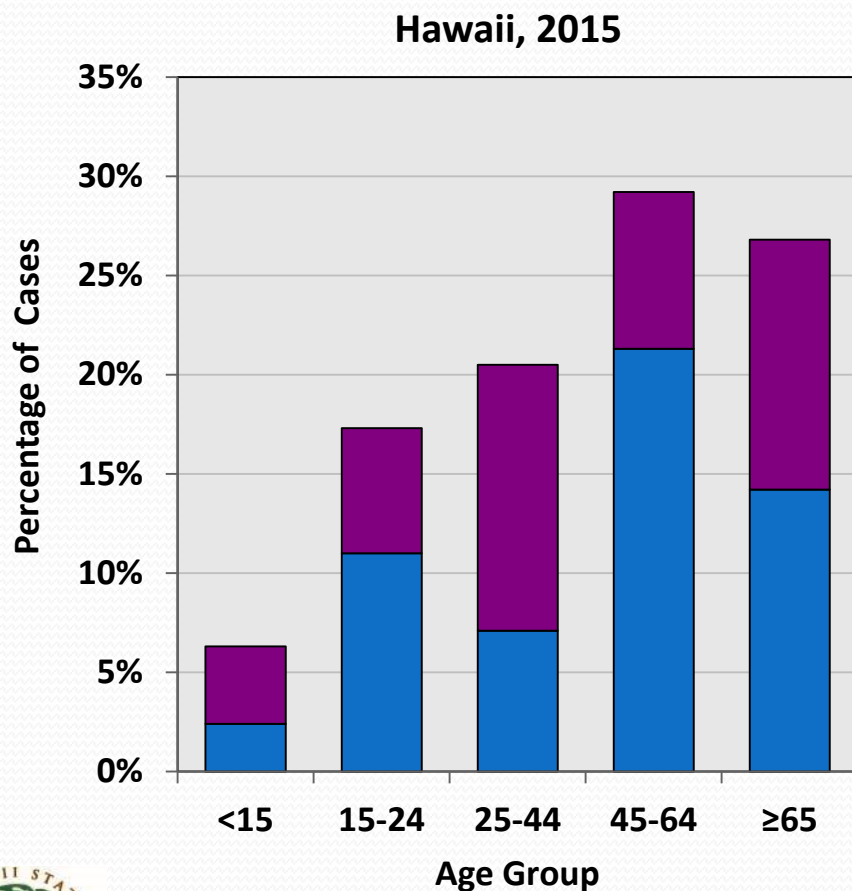
Death Rate per 100,000



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Percent of TB Cases by Age Group and Gender Hawaii vs. United States, 2015



Female

Male

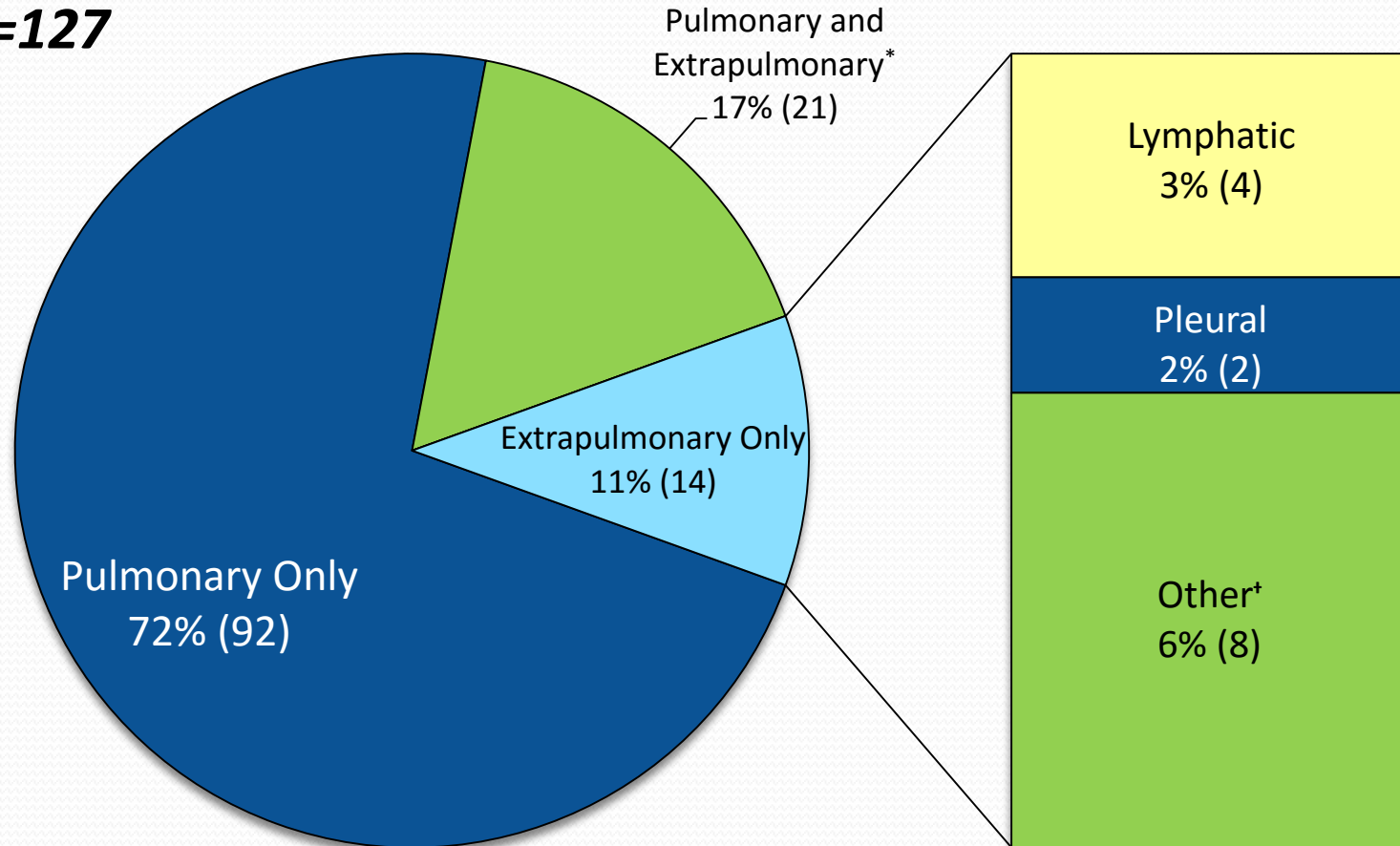


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TB Cases by Major Site of Disease Hawaii, 2015

N=127



*Includes pulmonary combined with: pleural (9), pleural and lymphatic (1), pleural and bone (1), lymphatic and bone (1), lymphatic (2), laryngeal (1), urogenital (1), peritoneal (1), meningeal (2), stomach (1), colon (1)

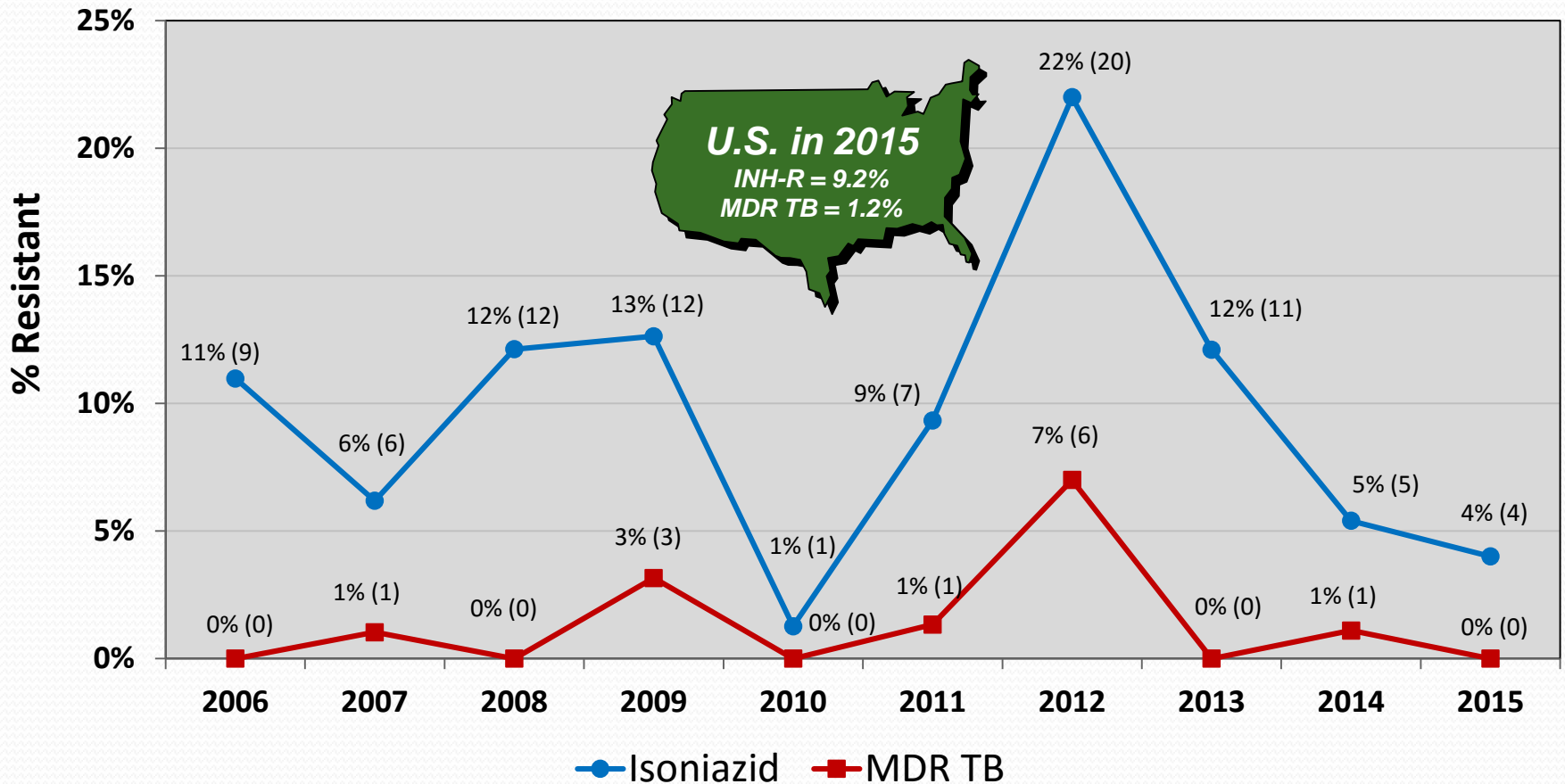
† Includes colon (2), laryngeal (1), bone (1), eye/ear (1), urogenital (2), urogenital/stomach (1)

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Primary Anti-TB Drug Resistance*

Hawaii, 2006–2015



*Cases are culture positive with initial drug susceptibility testing done. Isolates may be resistant to other drugs. Excludes cases with susceptibility testing not done or unknown for isoniazid and rifampin.

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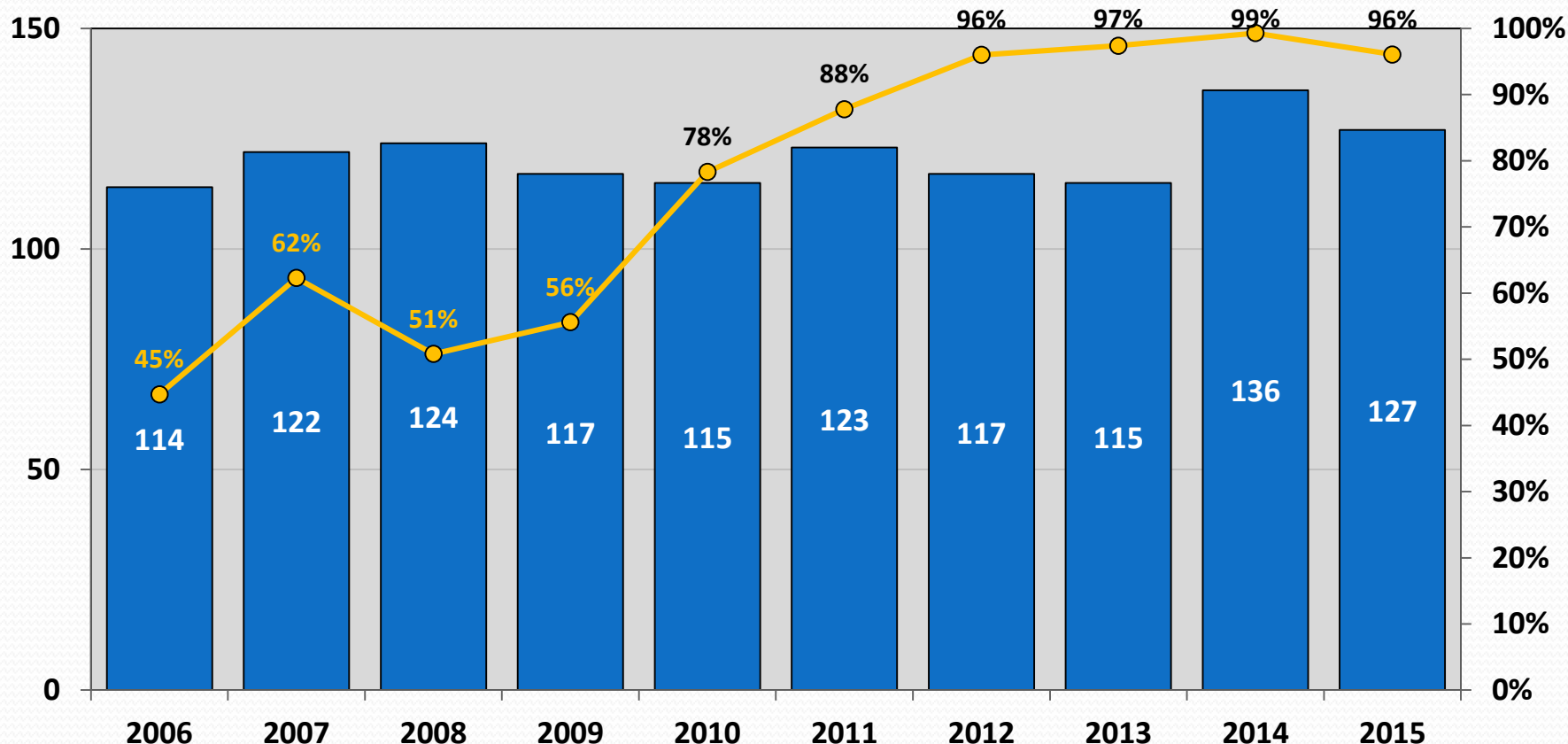


Trends in HIV Testing Persons with TB

Hawaii, 2006–2015

No. of Cases

Percentage



No. of Hawaii Cases

% Tested for HIV



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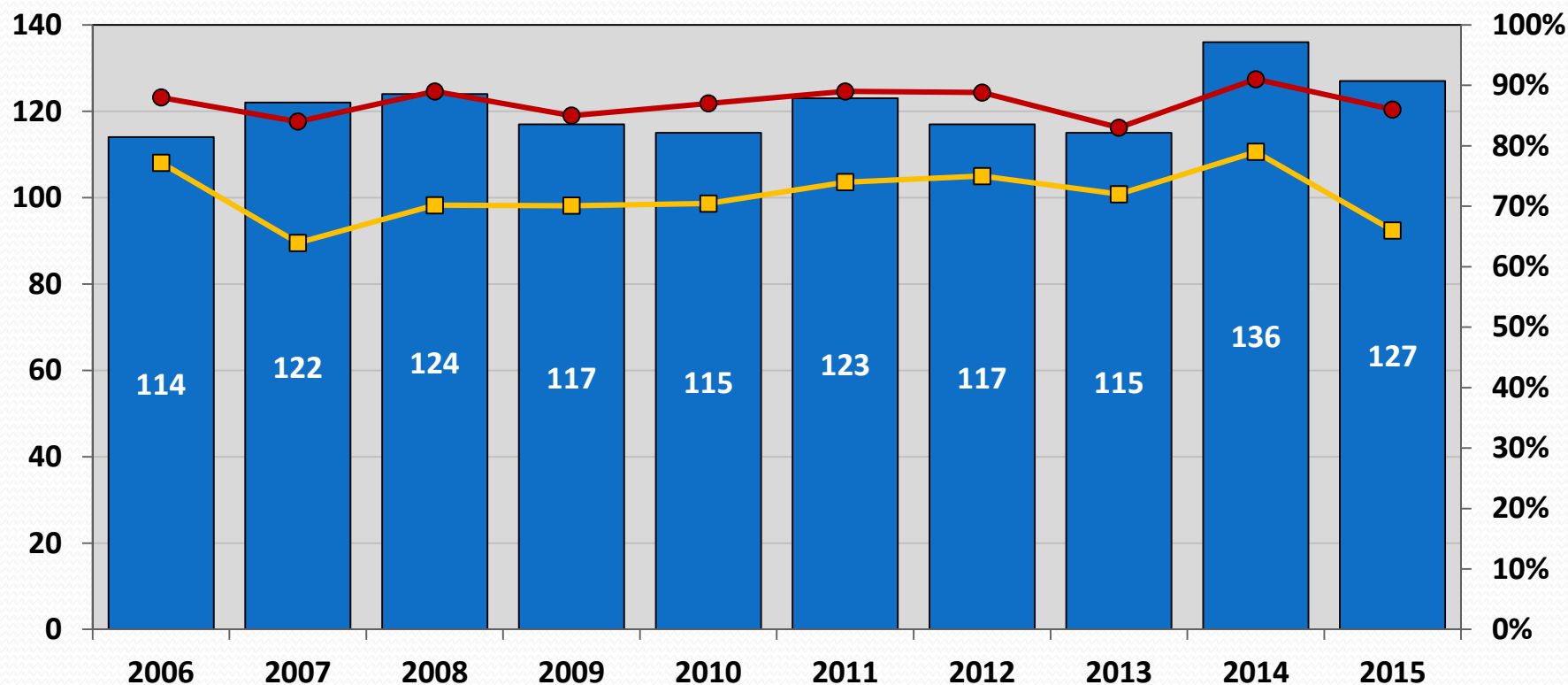


Trends in TB Cases and Percentage of Foreign-born Persons (Hawaii vs. CDC Definition)

Hawaii, 2006–2015

No. of Cases

Percentage



No. of Hawaii Cases

Foreign-born (Hawaii Definition)

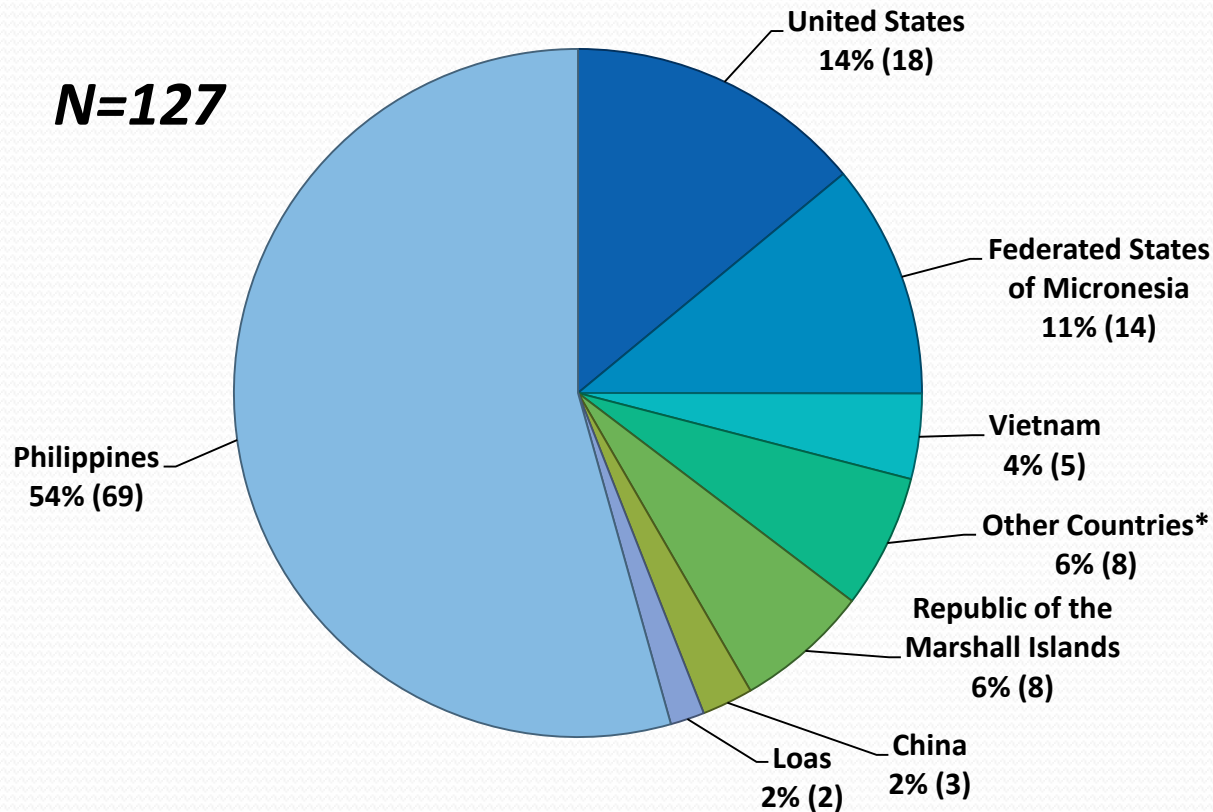
Foreign-born (CDC Definition)



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Countries of Birth of All Persons Reported with TB, Hawaii, 2015



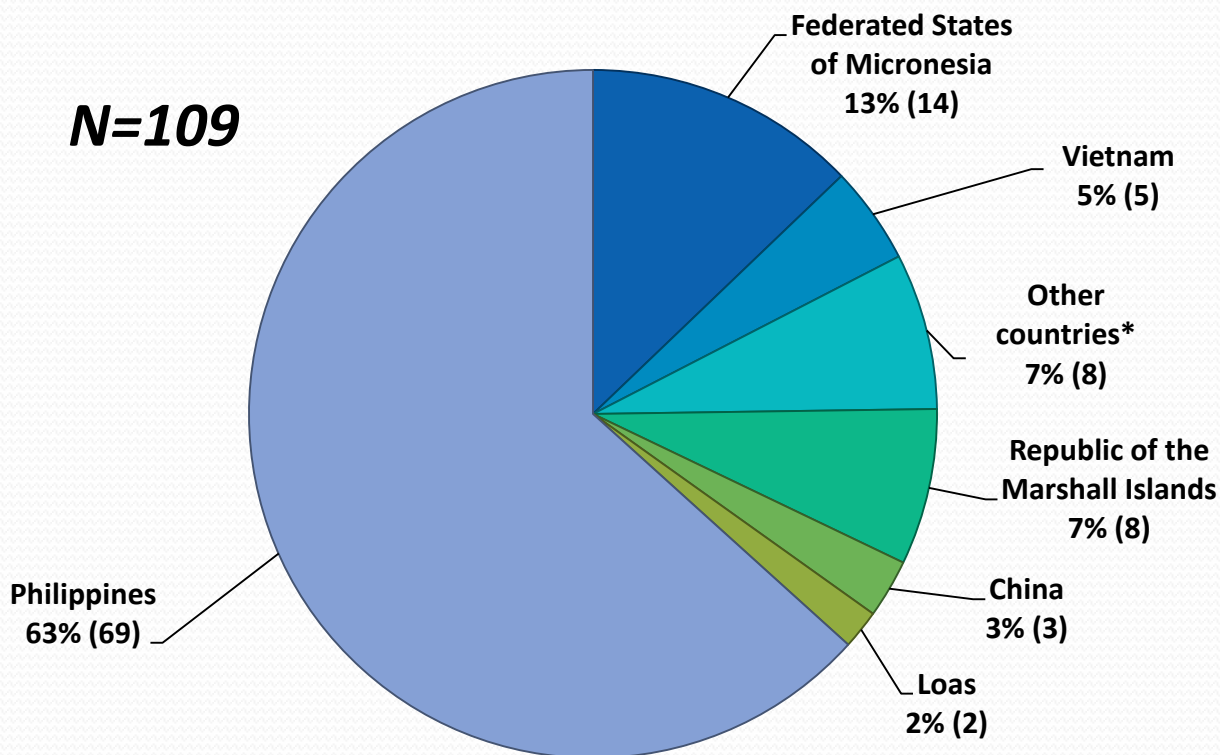
*Other countries include: American Samoa (1), Burundi (1), Guam (1), Korea (1), Mongolia (1), Taiwan (1), Thailand (1), Palau (1)



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Countries of Birth of Foreign-born Persons Reported with TB, Hawaii, 2015



*Other countries include: American Samoa (1), Burundi (1), Guam (1), Korea (1), Mongolia (1), Taiwan (1), Thailand (1), Palau (1)



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TB Cases Born in the U.S.-Affiliated Pacific Islands Hawaii, 2006–2015

Country of Birth	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
FSM*	9	10	12	10	10	8	9	5	11	14	98
Marshall Islands		10	10	8	7	8	6	5	5	8	67
American Samoa	2	1			2	1			1	1	8
Guam	1	2						2		1	6
CNMI†		1	1			1	1				4
Palau										1	1
TOTAL:	12	24	23	18	19	18	16	12	17	25	184
Percent of Cases:	11%	20%	19%	15%	17%	15%	14%	10%	13%	20%	

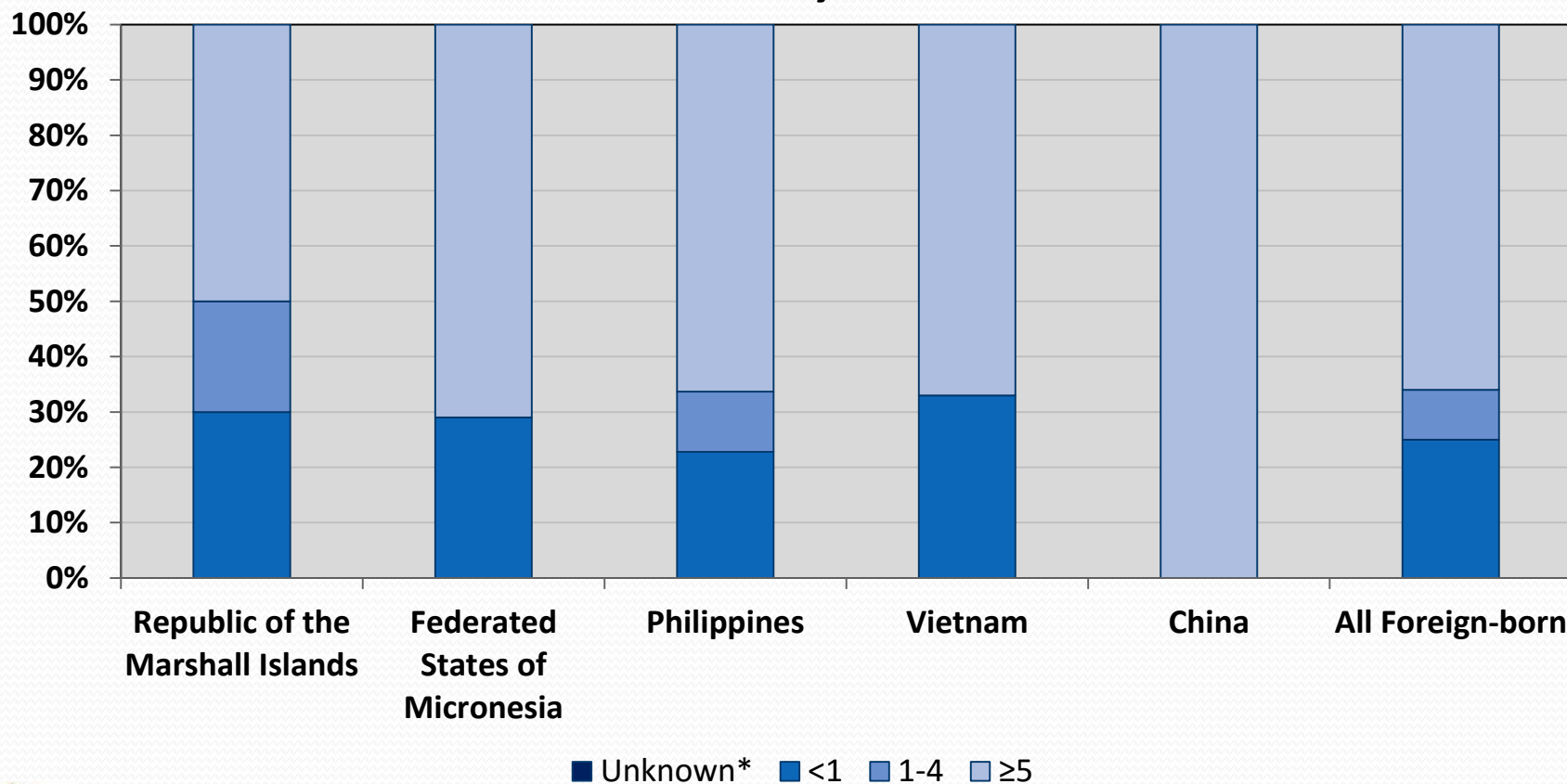
*FSM = Federated States of Micronesia which includes Chuuk, Kosrae, Pohnpei, and Yap

†CNMI = Commonwealth of the Northern Mariana Islands

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Percent of Foreign-born TB Cases by Time of Residence in U.S. Prior to Diagnosis Hawaii, 2015



*Foreign-born TB cases for whom information on length of residence in the U.S. prior to diagnosis is missing or unknown

Updated as of December 1, 2016

